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## Star Duel Algorithm

1.	Sets the background colour to black
2.	Draws all of the cutscenes and plays background music
3.	Initialises all objects
4.	
5.	Start loop
6.	
7.	Initialises variables to exit the game as false
8.	
9.	Plays background music for the menu
10.	
11.	Draws the main
12.	
13.	
14.	
15.	
16.	
17.	,
18.	
19.	
20.	<u>*</u>
21.	•
22. 23.	
23. 24.	•
24. 25.	
25. 26.	•
20. 27.	
27. 28.	3
20. 29.	
30.	·
31.	Creates and moves debris
32.	
33.	
34.	-
35.	
36.	• • • • • • • • • • • • • • • • • • • •
37.	
38.	

39.	Draws the interface at the bottom of the screen
40.	
41.	Draws the Deuterian ship and checks for button presses
42.	
43.	Draws the Quintitian ship and checks for button presses
44.	
45.	Validates array subscripts and positive integers
46.	
47.	Displays the pause menu if the user pressed the pause button
48.	
49.	Exit when one or both ships are destroyed
50.	
51.	Exits when the user requests it from the pause menu
52.	
53.	and loan
54.	end loop
55. 56.	Clears the screen
50. 57.	
57. 58.	Removes all objects from the screen
59.	Draws the background and places the ships
60.	Draws the background and places the ships
61.	Draws the Deuterian ship and checks for button presses
62.	Drawe the Beatenan emp and encome for Satton process
63.	Draws the Quintitian ship and checks for button presses
64.	The state of the s
65.	Stops the music
66.	-
67.	Draws the interface
68.	
69.	Start if both ships collided
70.	
71.	Both ships explode and are placed outside the screen
72.	
73.	Draws the text that it is a draw
74.	Plays a sound effect
75.	
76.	Elsif the Deuterian ship's health is 0
77.	Deuterian ship explodes and is placed outside the screen
78.	Draws text proclaiming Quintos to be the winner
79.	Plays a sound effect
80.	

81. 82. 83. 84. 85.	Elsif the Quintitian ship's health is 0 Quintitian ship explodes and is placed outside the screen Draws text proclaiming Quintos to be the winner Plays a sound effect
86.	End if
87.	Exit when a key is pressed
88.	End loop
89.	end if
90.	Input.Flush
91.	
92.	Else
93.	Re-initialises all ships
94.	Inititialises all training capacitors
95.	
96.	Draws the training briefing screen and waits for a keypress to
	ontinue
97.	Diarra train in a marrais
98.	Plays training music
99. 100	fork PlayBackgroundMusic (TrainingMusic)
100. 101.	loop
101.	100p
102.	Sets up the training background
104.	octo up the training background
105.	Creates debris at regular intervals
106.	0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0
107.	
108.	Displays and moves all of the lasers
109.	- 7
110.	Displays and moves the torpedos
111.	
112.	Makes ships immune to damage by adding armour
113.	
114.	Draws the interface at the bottom of the screen
115.	
116.	If a key is pressed to switch to the Quintitian ship
117.	Draws the Quintitian ship and checks for button presses
118.	
119.	Banishes the Deuterian ship
120.	Draws a rectangle over the Deuterian interface
121.	

122.	Elsif a key is pressed to switch to the Deuterian ship
123.	Draws the Deuterian ship and checks for button presses
124.	
125.	Banishes the Quintitian ship
126.	Draws a rectangle over the Quintitian interface
127.	end if
128.	
129.	Checks for any collisions
130.	
131.	Validates array subscripts and positive integers
132.	
133.	Checks if the user paused the game and displays the menu if
the	ey have
134.	
135.	end loop
136.	end if
137.	
138.	View.Update
139.	
140.	Exits the loop when the user requests it
141.	end loop